

## Profitability increase of pre-production and autocomponents issue project

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### Abstract

© Published under licence by IOP Publishing Ltd. In modern conditions auto components domestic manufacturers should not only improve the quality of products to the world level, but also provide the greatest possible profit. As a result, a technique for developing modern technological documentation was proposed. In the framework of this methodology, requirements to modern technological documentation have been developed, factors of profitability decrease in the APQP project cycle have been identified, work grouping providing the best results for the APQP process stages has been grouped, technological information as the basis of enterprise management has been worked out, technological design and technical documentation processes have been developed, scheme of the process of technological design. In the paper, the key control characteristics of technological transitions are systematized, the principles of management of the preparation of production (technological design) based on technical documentation are formulated. The developed measures allow at the stage of technological design not only to obtain information for managing the auto component quality, but also to prevent potential losses, that is, to increase the profitability of the project.

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### References

- [1] 2005 GOST R 51814.6 - 2005 Quality management systems. Quality management in the planning, development and automotive components pre-production 70
- [2] 2008 GOST R ISO 16949-09 Quality management systems. Special requirements for the application of ISO 9001: 2008 in the automotive industry and organizations that produce the relevant spare parts 51
- [3] Grechishnikov V.A., Kasyanov SV, Yurasova OI and Romanov V.B. 2016 Increase of competitiveness of the enterprise at a stage of manufacture autocomponents pre-production the Bulletin of MGTU "STANKIN" 2
- [4] Kasyanov SV and Yurasova OI 2015 Differential planning of a complex of quantitative indices of production processes of auto components at the stage of technological design Socio-economic and technical systems: research, design, optimization. Publisher: Kazan (Volga region) Federal University 2 27-32
- [5] Yurasova O.I. and Pautov G.A. 2015 Increase the efficiency of the machine-building enterprise by optimizing the cost of the process Theory and practice of social development 9 53-55